

C1
but
attached to a steroid, to a head group of a sphingolipid
or to a head group of a lipid having at least two chains,
each chain comprising at least 14 carbon atoms in length,
and wherein each independently said chain is selected
from the group consisting of acyl, alkyl or alkenyl,
wherein incorporation of the probe at the surface is
substantially not altered upon binding or dissociation of
the species at the surface and

observing a change in a fluorescent property of
said fluorophore retained at the surface upon binding or
dissociation of said species at said surface.

Please amend claim 34 as follows:

C2
34. (Amended) A method for determining binding
of a species at a polymer surface having a local
environment at a given pH or surface potential, said
polymer surface covalently attached to a probe wherein
said binding is effective to alter said pH or potential,
the method comprising:

incorporating at said polymer surface a pH- or
potential-sensitive fluorophore wherein incorporating the
fluorophore at the surface is substantially not altered
upon binding or dissociation of the species at the
surface, and

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observing a change in a fluorescent property of
said fluorophore retained at the surface upon binding or
dissociation of said species at said surface.